

(DC-5965)

How to Ensure the Economical Use of Investment  
Resources, 5 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelske Stavby a Zemedelske  
Meliorace, No 5, 1961, pp 161-163.

JPRS 11505

EEur - Czechoslovakia  
Econ  
Jan 62

180, 196

(DC-5965)

Basic Principles and Directives for the Establishment of a Socialist Village, by Jindrich Janis,  
5 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelske Stavby a Zemedelske  
Meliorace, X No 6, 1961, pp 183-185.

JPRS 11505

EEur -- Czechoslovakia  
Econ  
Jan 62

/80. 201

(DC-496A)

5 5

Survey of Soil Fertilization, 5 pp. OFFICIAL  
USE ONLY

CZECH, per, Zemedelske Stavby a Zemedelske  
Meliorace, No 10, 1961, inside front cover.

JPRS 11954

EEur - Czechoslovakia  
Econ  
Feb 62

18<sup>2</sup>, 462

(DC-5965)

A Few Reminders Concerning the Activities and  
Management of District Centers for the Planning  
of Agricultural Investments, by Vaclav Esler,  
7 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelske Stavby a Zemedelske  
Meliorace, No 10, 1961, pp 2 327-328.

JPRS 18944

15

REur - Czechoslovakia

EAM Dean

Feb 62

18<sup>2</sup>, 463

(EC-595)

Tractor Zetor 3011 -- New Product of the Czech-  
oslovak Tractor Industry, by Jaroslav Musil,  
Bohumil Drobny, 5 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelske Stroje a Traktory,  
Vol XI, No 2, 1961, pp 2-8, (Supplement to  
Mechanizace Zemedelstvi).

JPRS 11266

177,357

EEur - Czechoslovakia  
Econ  
Dec 61

(NY-6430)

Diseases and Mortality Among Agricultural  
Animals, 4 pp.

BULGARIAN, per, Zemadelako Zname,  
Vol LIX, No 4652, 16 Aug 1961, p 2.

JPRS 12063

EEur - Bulgaria  
Econ  
Jan 62

181, 231

(11-0101)  
Ten Years of Operation of the Czechoslovak  
Research Institute for Agricultural Tech-  
nology, 5 pp. OFFICIAL USE ONLY

CZECH. per, Zemedelska Technika, Vol ~~XX~~  
VII, No 4, Aug 1961, pp 271-272.

JPRS 11494

EEur - Czechoslovakia  
Econ  
Dec 61

178,223

The Earth Ellipsoid of F. N. Krasovskiy, by Eng  
Dr Frantisek Broz, 7 pp. UNCLASSIFIED

CHECH, Zememerictvi, Vol III, No 1, pp 10-16, 1953.

OCE Tr

~~Scientific - Geography~~

USSR - Geography

10,187

Moscow Institute of Engineers for Geodesy,  
Photogrammetry and Cartography (MIIOAik), by  
Eng Dr Miroslav Hauf, 2 pp. UNCLASSIFIED

CZECH, Zememetricvi, Vol III, No 2 '3, 1953, pp 20-21.

OCE Tr

~~Scientific Conference~~  
USSR - Geography

10,181

The Geometry of Krasovskiy's Ellipsoid in the  
Triangulation and Mapping of the Czechoslovak  
Republic, by Prof Jos Bohm, 11 pp. UNCLASSIFIED

CZECH, Zememetricvi, Vol III, No 4, 1953, pp  
53-63.

USSR - Geography

OCE Tr

~~SCIENTIFIC GEOGRAPHY~~  
~~SCIENTIFIC GEOGRAPHY~~

10,182

(FDD 20850)

An Addition to the Study of Geodesy in Czechoslovakia,  
by Milos Cimbalnik, 20 pp.

CZECH, photostats, Zememeričtvi, No 7, 8, Jul/Aug 1953,  
pp 104-109.

CIA/FDD/U-6120

ESur - Czechoslovakia

Sci - Physics, geodesy

Jul 54 CTS

17,235

The Geometrical Relations Between Grids of Krovaks  
Projection of the CSR and the Three Degree Gauss  
Zones, by Eng Ivo Jakubka, 6 pp. UNCLASSIFIED

CZECH, Zememěřičtvi, Vol III, No 7 '8, ff 1953,  
pp 109-115.

OCE Tr

~~Scientific Geography~~

CIA/FDD/U-6098

USSR - Geography

10,183

Transformation of the Coordinates of the  
Czechoslovak Trigonometric Grid to the  
Coordinates of Gauss Three Grade Zones in the  
Soviet System of 1942, by Josef Bohm, 8 pp.  
UNCLASSIFIED

CZECH, ~~Zememěřičtví~~, Vol III, No 7 '8, 1953,  
pp 115-122.

OCE Tr

~~Scientific - Geophysics~~

USSR - Geography

10,180

TT-64-14330

Dyckerhoff, Walter.  
PETROGRAPHY OF  $Al_2O_3$  FUSED CEMENTS.  
[20 Jan 35] 11p (figs omitted) 2 refs  
Order from SLA \$1.60

TT-64-14330

Trans. of Zement (Germany) v. 13, p. 336-338,  
399-402.

DESCRIPTORS: \*Cements, \*Crystal structure, Fused  
materials, Aluminates, Calcium compounds, Silicates,  
Compressive properties, Aging (Materials), Chemical  
analysis

I. Dyckerhoff, W.

(Materials, TT, v. 11, no. 9)

Office of Technical Services

TT-64-14337

Grün, Richard.  
EFFECT OF CHEMICAL COMPOSITION OF SLAG  
ON CLINKER ON HARDENING AND RESISTANCE  
TO SULPHATES OF SLAG CEMENT. [1963] 19p  
efs

1. Title: Clinker cement  
1. Grün, R.

Order from SLA \$1.60

TT-64-14337

Trans. of [Zement (Germany) 1923, v. 12, p. 297-298,  
317-319, 326-329].

DESCRIPTORS: \*Cements, Hardening, Aging (Mate-  
rials), Corrosion Sulphates, Mechanical properties

(Materials, TT, v. 11, no. 9)

Office of Technical Services

Effect of Storage on Cement, by A. Kleinlogel,  
19 pp.  
GERMAN, per, Zement, Vol XIII, 1924, pp ,  
No 50, 51.  
CFSTI TT-64-18258

Sci - M/M  
Jul 66

305,863

Zimmerman, L.  
ON THE EFFECT OF MAGNESIUM SULPHATE SOLUTION ON MORTAR AND CONCRETE. 20p (6 tables omitted).

Order from SLA \$1.60

TT-64-18275

Trans. of Zement (Germany) 1924 [v. 13] no. 16, p. 161-164; no. 17, p. 178-180; no. 18, p. 193-195.

(Materials, TT, v. 12, no. 7)

TT-64-18275

I. Zimmerman, L.

Office of Technical Services

Critical Observations on the Influence of  
Gypsum, in the Setting and Hardening of  
Cement, based on Experimental Investigations,  
by F. Tippmann, 14 pp.  
GERMAN, per, Zement, Vol XIII, 1924, pp 135-136;  
147-150.  
CFSTI TT-64-18259

Sci - M/M  
Jul 66

305,870

On the Effect of Magnesium Sulphate Solution  
on Mortar and Concrete, by L. Zimmerman, 20 pp.  
GERMAN, per, Zement, Vol XIII, No 16, 1924,  
pp 161-164; No 17, pp 178-180; No 18, 193-195.  
CFSTI TT-64-18275

Sci - M/M  
Jul 66

305,872

Gassner, Otto.

PRACTICAL QUESTIONS CONCERNING CONCRETE IN  
SEA WATER. [1963] 58p (refs omitted)

Order from SLA \$5.60

TT-64-14421

Trans. of Zement (Germany) 1924, v. 13, p. 235-238,  
247-251, 262-266, 277-279, 289-291.

TT-64-14421

I. Gassner, O.

(Materials, TT, v. 11, no. 11)

Office of Technical Services

Dyckerhoff, Walter.

WHAT IS ALITE? NEW INVESTIGATION ON THE  
CONSTITUTION OF PORTLAND CEMENT CLINKER.

[5 Nov 24] 8p (figs omitted)

Order from SLA \$1.10

TT-64-14329

Trans. of Zement (Germany) 1924, v. 13, p. 455-457,  
467-470.

DESCRIPTORS: \*Cements, Crystal structure, Calcium  
compounds, Silicates

TT-64-14329

1. Title: Clinker cement
2. Title: Alite
- I. Dyckerhoff, W.
- II. Title: New...

Rodr, V.  
BEHAVIOR OF ALKALIES IN CEMENT ON STORING  
IN WATER. 5p.  
Order from SLA \$1.10  
TT-64-18255  
Trans. of Zement (Germany) 1924, v. 13, p. 470-472.

PA- TT-64-18255

I. Rodr, V.

(Materials, TT, v. 12, no. 7)

Burchartz, H. and Rodt, V.  
INFLUENCE OF SUGAR ON THE SETTING AND  
HARDENING OF CEMENT. [1963] 5p (figs omitted)

2refs

Order from SLA \$1.10

TT-64-14325

Trans. of Zement (Germany) 1924, v. 13, p. 509-511.

DESCRIPTORS: \*Cements, \*Aging (Materials),  
\*Hardening, \*Carbohydrates, Mortar, Tensile prop-  
erties, Compressive properties, Deformation

(Materials, TT, v. 11, no. 9)

TT-64-14325

I. Burchartz, H.  
II. Rodt, V.

Office of Technical Services

Nacken, R. and Dykerhoff, W.  
MINERAL FORMATION ON HEATING  $\text{CaO}$ ,  $\text{SiO}_2$ ,  
AND  $\text{Al}_2\text{O}_3$ . [Jan 25] 6p 7refs  
Order from SLA \$1.10

TT-64-14201

Trans. of Zement (Germany) 1924, v. 13, p. 626-627,  
649-651.

DESCRIPTORS: \*Cements, Calcium compounds,  
Silicon compounds, Aluminum compounds, Oxides,  
Heating.

(Materials, TT, v. 11, no. 7)

TT-64-14201

1. Title: Clinker  
I. Nacken, R.  
II. Dykerhoff, W.

Office of Technical Services

TT-64-14418

I. Gassner, O.

Gassner, Otto.  
BLEACHING POWDER VATS OF CONCRETE.

14 Feb 25 [5p]

Order from SLA \$1.10

TT-64-14418

Condensed trans. of Zement (Germany) 1924, v. 13,  
p. 632-634, 652-654, 684-688.

(Materials, TT, v. 11, no. 11)

Office of Technical Services

Titan Cements, by Hans Kuhl, 11 pp.  
GERMAN, per, Zement, Vol XIV, No 3, 1925,  
pp 37-39.  
CFSTI-TT-64-18240

Sci - M/M  
Jul 66

3 05,866

Radoff, Kristo.  
THE HYDRATION OF CaO-RICH ALUMINATES. 11p  
Zrefa.  
Order from SLA \$1.60 TT-64-18285  
Trans. of Zement (Germany) 1925, v. 14 [no. 9]  
p. 177-182.

PS- TT-64-18285

1. Radoff, K.

(Materials, TT, v. 12, no. 7)

The Use of Rontgen Rays on Cement,  
by R. Nacken, 8 pp.  
GERMAN, per, Zement, Vol XIV, No 19, 20, 1925,  
pp 419-422; 437-439.  
CFSTI TT-64-18298

Sci - M/M  
Jul 66

305,867

Jänsch, Ernst.  
THE COMPOUND  $8\text{CaO} \cdot 2\text{SiO}_2 \cdot \text{Al}_2\text{O}_3$ . THE ALITE OF  
PORTLAND CEMENT. Sp (5 refs. included) Srefa.  
Order from SLA \$1.10 TT-64-18292

Trans. of Zement (Germany) 1925, v. 14 [no. 12]  
p. 272-274.

(Materials, TT, v. 12, no. 7)

TT-64-18292

1. Jänsch, E.

Office of Technical Services

Biehl, Carl.  
THE PETROGRAPHY OF MODERN PORTLAND  
CEMENT CLINKER. [15 Jun 25] 6p (figs omitted)  
Order from SLA \$1.10 TT-64-14326

Trans. of Zement (Germany) 1925, v. 14, p. 379-382,  
397-399.

DESCRIPTORS: \*Cements, \*Crystal structure, Heat  
treatment

(Materials, TT, v. 11, no. 9)

TT-64-14326

1. Title: Clinker cement  
1. Biehl, C.

Office of Technical Services

Haegermann, G.  
CEMENT RESEARCH IN THE UNITED STATES.

[1963] 9p (figs omitted)

Order from SLA \$1.10

TT-64-14428

Trans. from Zement (Germany) 1925 [v. 14] no. 40,  
[p. 816-817].

DESCRIPTORS: \*Cements, \*Concrete, \*Scientific  
research, Industrial research, Test methods,

(Materials, TT, v. 11, no. 10)

TT-64-14428

I. Haegermann, G.

Office of Technical Services

A Comparison of Air- and Water-Granulated  
Blast-Furnace Slag in the Manufacture of Blast  
Furnace Slag Cement, by A. Guttman, 15 pp.

GERMAN, per, Zement, Vol XIV, No 41, pp 57-60;  
No 5, pp 75-76, 1925.

S.L.A.

Scientific - Engineering  
CTB 70/Jul 55

25,191

Kühl, Hans and Ullrich, Erick.  
CHLORIDE CRACKING. [22p] (3 figs 2 refs omitted).  
Order from SLA \$2.60 TT-64-18220

Trans. of Zement (Germany) 1925, v. 14, p. 859-861,  
880-882, 898-902, 917.

(Materials, TT, v. 12, no. 7)

TT-64-18220

I. Kühl, H.  
H. Ullrich, E.

Office of Technical Services

Grün, Richard, Tremmel, Karl, and Kunze, Günter.  
THERMAL INVESTIGATION OF SLAGS, PTS. I-II.  
[1963] 27p 8refs  
Order from SLA \$2.60

TT-64-14365

Trans. of Zement (Germany) 1925, v. 14, p. 948-950,  
963-965, 987-990.

(Materials, TT, v. 11, no. 11)

TT-64-14365

I. Grün, R.  
II. Tremmel, K.  
III. Kunze, G.

Office of Technical Services

Gutmann, A.  
FINENESS OF IRON-PORTLAND CEMENT. [1963]  
[17p] (figs omitted) 12refs  
Order from SLA \$1.60

TT-64-14198

Trans. of Zement (Germany) 1926, v. 15, no. 9,  
p. 164-168; no. 10, p. 185-187; no. 11, p. 200-203.

DESCRIPTORS: \*Cements, \*Particle size, Particles,  
Separation, Quantitative analysis, Slags.

(Materials, TT, v. 11, no. 7)

TT-64-14198

I. Gutmann, A.

Office of Technical Services

Haegermann, G.  
AMERICAN AND GERMAN PORTLAND CEMENTS.  
[Jan 27] [8p]  
Order from SLA \$1.10 TT-64-14208

Trans. from Zement (Germany) 1926 [v. 15] no. 47.

DESCRIPTORS: \*Cements, Standards, Density,  
Weight, Compressive properties, Tensile properties.

(Materials, TT, v. 11, no. 7)

TT-64-14208

I. Haegermann, G.

Office of Technical Services

Beckmann, Hugo.  
STUDIES ON THE HYDRATION OF DICALCIUM  
SILICATE AND TRICALCIUM SILICATE. 7 Apr 27  
[13p] Srefo  
Order from SLA \$1.60

TT-64-14332

Trans. of Zement (Germany) 1927, v. 16, p. 37-40,  
53-58.

DESCRIPTORS: \*Calcium compounds, \*Silicates,  
Chemical reactions, Solubility, Electrical conductance,  
Cements

(Materials, TT, v. 11, no. 9)

TT-64-14332

I. Beckmann, H.

Office of Technical Services

Clinker Constitution and Preparation of Raw  
Mixes, by K. Tremmel, 9 pp.  
GERMAN, per, Zement, Vol XVI, No 17, 1927,  
pp 329-332; 353-356.  
CFSTI TT-64-18318

Sci - M/M  
Jul 66

305,871

Dyckerhoff, Waker.  
CLINKER INVESTIGATION. [11 Nov 27] 10p  
Order from SLA \$1.10      TT-64-14328

Trans. of Zement (Germany) 1927, v. 16, p. 731-[735].

DESCRIPTORS: \*Cements, Chemical analysis,  
Calcium compounds, Silicon compounds, Dioxides,  
Silicates,

(Materials, TT, v. 11, no. 9)

TT-64-14328

1. Title: Clinker  
1. Dyckerhoff, W.

Office of Technical Services

Colloidal Chemical Reactions of High Alumina  
Cement Mortar, by Leopold Jesser, 21 pp.  
GERMAN, per, Zement, Vol XVI, 1927, pp 741-746.  
CFSTI TT-64-18254

Sci - M/M  
Jul 66

305,862

Nackes, R.  
SETTING AND HARDENING OF CEMENTS. [8]p  
(3 figs omitted).  
Order from SLA \$1.10      TT-64-18323  
Trans. of Zement (Germany) 1927, v. 16, p. 1017-1023.

(Materials, TT, v. 12, no. 7)

TT-64-18323

I. Nackes, R.

Office of Technical Services

Kuhl, Hans and Tokune, Joshio.  
MEASUREMENT OF THE FINEST PARTICLES IN  
PORTLAND CEMENT WITH THE WIEGNER  
SEDIMENTATION APPARATUS. [12p] (5 figs omitted)  
9refs.

Order from SLA \$1.60

TT-64-18231

Trans. of Zement (Germany) 1928, v. 17 [no. 7]  
p. 256-261, 299-301.

(Materials, TT, v. 12, no. 7)

TT-64-18231

I. Kuhl, H.  
II. Tokune, J.

The Action of Chemically Aggressive Solutions  
on Cement and Mortar, by E. Probst, 11 pp.  
GERMAN, per, VZement, Vol XVIII, No 10, 11,  
1929, pp 292-296; 338-342.  
CFSTI TT-64-18264

Sci - M/M  
Jul 66

305,868

Concerning the Determination of  
Heats of Formation of Silicates for Their  
Oxides, by R. Nacken.

GERMAN, per, Zement, Vol XIX, No 35,  
1930, pp 818-825, No 36, pp 847-849.  
SLA TT 64-18336

Apr 67

323,111

TT-64-14188

I. Graf, O.

Graf, Otto.  
INVESTIGATIONS ON THE PROTECTION OF CON-  
CRETES AGAINST CORROSIVE WATERS. [1963]  
[10p] (figs omitted)

Order from SLA \$1.10

TT-64-14188

Trans. of Zement (Germany) 1930, v. 19, no. 40,  
p. 936-941.

DESCRIPTORS: \*Concrete, Corrosive liquids, \*Cements,  
Corrosion inhibition, Protective treatments.

(Materials, TT, v. 11, no. 7)

Office of Technical Services

Preparation and Identification of Dicalcium  
Silicate, Tricalcium Silicate, and Tricalcium  
Aluminate, by I. Weyer.

GERMAN, per, Zement, Vol XX, No 3, 1931,  
pp 48-51.

SLA TT 64-18339

Apr 67

323,109

Gutmann, A. and Gille, F.  
A FINAL WORD ON THE ALITE PROBLEM.  
[Apr 31] [9p] 19refs  
Order from SLA \$1.10

TT-64-14187

Trans. of Zement (Germany) 1931, v. 20, no. 7,  
p. 144-147.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-14187

I. Gutmann, A.  
II. Gille, F.

Office of Technical Services

Physical Changes in Cement Mortar Produced by Carbon  
Dioxide Reaction, by C. R. Platzmann, 3 pp.

GERMAN, per, Zement, Vol XXI, No 26, 30 Jun 1932,  
pp 381, 382.

S.L.A. No 378/1956

Scientific - Engineering

34, 288

Hydraulic Hardening as a Surface Reaction,  
by Hans Kuhl.  
GERMAN, per, Zement, Vol XXI No 27,  
1932, pp 392-397; No 28 p 405-410.  
SLA TT 64-18235

Apr 67

323,114

Physical Changes in Cement Mortar Produced by Carbon  
Dioxide Reaction, by Werner Rumm, 2 pp.

GERMAN, per, Zement, Vol XXI, No 38, 22 Sep 1932,  
p 536.

S.L.A. No 336/1956

Scientific - Engineering

34, 310

TT-64-14185

Chassevent, Louis and Kuhl, Hans.

THE ACTION OF WATER ON PORTLAND CEMENT:  
THE CALCIUM HYDROSILICATES [AND COMMENT].

[14 Jan 35] [11p] 8 refs

Order from SLA \$1.60

TT-64-14185

I. Chassevent, L.

II. Kuhl, H.

III. Title: Calcium...

Trans. of Zement (Germany) 1934, v. 23, no. 17,  
p. 237-240.DESCRIPTORS: \*Cements, Water, Calcium compounds,  
\*Silicates, Hydrates, Hardening

(Materials, TT, v. 11, no. 7)

Office of Technical Services

Graf, Otto.  
EXPERIMENTS ON THE EFFECT OF VARIOUS  
CEMENTS ON THE DURABILITY OF CONCRETE  
WATERS [PT. 1] 5 Dec 34, 14p (figs tables refs  
omitted)

Order from SLA \$1.60

TT-64-14212

Trans. of Zement (Germany) 1934, v. 23, no. 27,  
p. 376-388.

DESCRIPTORS: \*Cements, \*Concrete, \*Corrosive  
Liquids, Corrosion, Mechanical properties.

(Materials, TT, v. 11, no. 7)

TT-64-14212

I. Graf, O.

Office of Technical Services

TT-64-14190

Rodt, V.  
ON THE DETERMINATION OF FREE LIME HYDRATE  
IN HARDENING CEMENT AND IN CEMENT-TRASS  
MIXTURES AS WELL AS COMBINED LIME HYDRATE  
IN LIME TRASS MIXTURES. II. THE QUANTITIES  
OF LIME HYDRATE COMBINED DURING THE  
HARDENING OF TRASS LIME MIXTURES [AND]  
SUMMARY. [1963] 5p (tables omitted)  
Order from SLA \$1.10

TT-64-14190

Partial trans. (p. 433-435) of Zement (Germany) 1934,  
v. 23, no. 30, p. 429-435.

DESCRIPTORS: \*Cements, Calcium compounds,  
Hydrates, Mixtures, Water, Hardening, Quantitative  
analysis.

(Materials, TT, v. 11, no. 7)

- I. Title: Trass
- I. Rodt, V.
- II. Title: Quantities ...

Office of Technical Services

TT-64-14221

I. Graf, O.  
II. Walz, K.

Graf, Otto and Walz, Kurt.  
EXPERIMENTS ON THE EFFECT OF VARIOUS  
CEMENTS ON THE DURABILITY OF CONCRETE IN  
CORROSIVE WATERS. (CONTINUATION). 30 Nov 34.  
5p (figs tables omitted)  
Order from SLA \$1.10

TT-64-14221

Trans. of Zement (Germany) 1934, v. 23, no. 31,  
p. 448-453.

DESCRIPTORS: \*Cements, \*Corrosion, \*Corrosive  
liquids, Concrete, Degradation, Water, Salts.

(Materials, TT, v. 11, no. 7)

Office of Technical Services

TT-64-14219

I. Graf, O.  
II. Walz, K.

Graf, Otto and Walz, Kurt.  
EXPERIMENTS ON THE EFFECT OF VARIOUS  
CEMENTS ON THE DURABILITY OF CONCRETE  
IN CORROSIVE WATERS (CONTINUATION).

6 Nov 34, 7p (figs tables omitted)

Order from SLA \$1.10

TT-64-14219

Trans. of Zement (Germany) 1934, v. 23, no. 32,  
p. 461-466.

DESCRIPTORS: \*Cements, \*Corrosion, \*Corrosive  
Liquids, Concrete, Degradation, Water, Salts.

(Materials, TT, v. 11, no. 7)

Office of Technical Services

TT-64-14220

Graf, Otto and Walz, Kurt.  
EXPERIMENTS ON THE EFFECTS OF VARIOUS  
CEMENTS ON THE DURABILITY OF CONCRETE IN  
CORROSIVE WATERS (CONCLUSION). 30 Nov 34,  
5p (figs tables omitted)  
Order from SLA \$1. 10

TT-64-14220

Trans. of Zement (Germany) 1934, v. 23, no. 33,  
p. 473-475.

DESCRIPTORS: \*Cements, \*Corrosion, \*Corrosive  
liquids, Concrete, Degradation, Water, Salts.

I. Graf, O.  
II. Walz, K.

Office of Technical Services

(Materials, TT, v. 11, no. 7)

The Hardening of Cement Mortars- AN  
Electrostatic Phenomenon, Pts 1-2, by  
Leopold Jesser.  
GERMAN, per, Zement, Vol XXIII, No 36,  
1934, pp 514-518; No 45, p 665-669;  
No 46 p 677-682.  
SLA TT 64-18252

Apr 67

323,117

Guttmann, A.  
CONTRIBUTION TO THE IMPACT STRENGTH OF  
CONCRETE. 24 Jan 35, 12p (figs tables omitted) 23refs  
Order from SLA \$1.60 TT-64-14211

Trans. of Zement (Germany) 1934, v. 23, no. 36,  
p. 528-534.

DESCRIPTORS: \*Concrete, Tensile properties,  
Loading (Mechanics), Compressive properties, Shock  
resistance, Cements.

(Materials, TT, v. 11, no. 7)

TT-64-14211

I. Guttmann, A.

Office of Technical Services

Rodt, V.  
THE DETERMINATION OF FREE LIME IN CEMENT.  
[1963] 11p 51refs  
Order from SLA \$1.60

TT-64-14189

Trans. of Zement (Germany) 1934, v. 23, no. 41,  
p. 605-609.

DESCRIPTORS: \*Cements, \*Calcium compounds,  
Oxides, Chemical analysis, Test methods.

(Materials, TT, v. 11, no. 7)

TT-64-14189

I. Rodt, V.

TT-64-18281

Office of Technical Services

Graf, Otto.  
REGARDING SEVERAL CONDITIONS REQUIRED FOR  
THE MAKING OF GOOD PAVEMENT CONCRETE.  
14 Jan 33, 6p (figs refs omitted)  
Order from SLA \$1.10

TT-64-14210

Trans. of Zement (Germany) 1934, v. 23, no. 41,  
p. 610-613.

DESCRIPTORS: \*Concrete, \*Pavements, Cements,  
Sand, Rock (Geology).

(Materials, TT, v. 11, no. 7)

TT-64-14210

I. Graf, O.

Office of Technical Services

Forsen, Lemart.

THE CHEMISTRY OF PORTLAND CEMENT, PTS.  
I-IV. [1963] [72p] (13figs omitted) 66refs

Order from SLA \$7.60

TT-64-14431

Trans. of Zement (Germany) 1935, v. 24, no. 2,  
p. 17-22; no. 3, p. 33-37; no. 6, p. 77-82; no. 10,  
p. 139-146; no. 13, p. 191-197.

(Materials, TT, v. 11, no. 12)

TT-64-14431

I. Forsen, L.

Office of Technical Services

On the Determination of Free Calcium  
Hydroxide in Hardened Cements and Cement-  
Trass Mixtures, Including the Combined  
Calcium Hydroxide in Hardened Lime-  
Trass Mixtures, by V. Rodt.  
GERMAN, per, Zement, Vol XXIV, No 7,  
1935, pp 94-97  
SLA TT 64-18262

Apr 67

323,107

On the Action of Water on Tricalcium  
Silicate, by R. Nacken.  
GERMANY, per, Zement, Vol XXIV, No 13,  
1935, pp 183-191.  
SLA TT 64-18291

Apr 67

323,110

Gronow, H. Elmer von.  
THE HEAT OF FORMATION OF TRI-CALCIUM  
SILICATE AT 1300°C. [29 Apr 36] 5p 3refs  
Order from SLA \$1.10 TT-64-14191

Trans. of Zement (Germany) 1936, v. 25, no. 5,  
p. 61-62.

DESCRIPTORS: \*Calcium compounds, \*Silicates, Heat  
of formation, Specific heat, \*Cements

(Materials, TT, v. 11, no. 7)

TT-64-14191

I. Gronow, H. E. von

Office of Technical Services

The Determination of Free Calcium-Hydroxide  
in Hardened Cements and Mixtures of Cement and Trass,  
as Well as the Combined Calcium-Hydroxide in  
Hardened Lime-Trass-Mixtures, by V. Rodt.  
GERMAN, per, Zement, Vol XXIV, No 11,  
1936, pp 161-164.  
SLA TT 64-18260

Apr 67

323,108

Anselm, Wilhelm.  
PROCESS FOR DETERMINING THE QUALITY OF  
PORTLAND CEMENT CLINKER. 20 Nov 36, 10p  
(figs tables refs omitted)  
Order from SLA \$1.10

TT-64-14183

Partial trans. (p. 633-639) of Zement (Germany) 1936,  
v. 25, no. 38, p. 633-644.

(Materials, TT, v. 11, no. 12)

TT-64-14183

L Anselm, W.

Office of Technical Services

Strength of Asbestos-Cement, by G. Rosenbaum.  
GERMAN, per, Zement, Vol XXV, 1936, pp 292-295.  
CSR Co

Sci - Mat/Met  
Jun 64

261,233

Jesser, Leopold  
THE HARDENING OF CEMENT AN ELECTRO-  
STATIC PHENOMENON, PT. III: [SELECTED  
PORTION] [1 Oct 36] 11p 19refs  
Order from SLA \$1.60

TT-64-14216

Partial trans. [p. 520-522] of Zement (Germany) 1936,  
v. 25, no. 31, p. 518-523.

DESCRIPTORS: \*Cements, \*Hardening, \*Aging (Mate-  
rials), Mortar, \*Electrostatics, Physical chemistry,  
Colloids, Ions, Plasticity, Density, Electrical fields,

(Materials, TT, v. 11, no. 9)

TT-64-14216

1. Jesser, L.

Office of Technical Services

Jesser, Leopold.

THE HARDENING OF CEMENT, AN ELECTRO-  
STATIC PHENOMENON, PT. III (CONCLUSION).

22 Oct 36, 7p 4refs

Order from SLA \$1.10

TT-64-14215

Trans. of Zement (Germany) 1936, v. 25, no. 32,  
p. 537-540.

DESCRIPTORS: \*Cements, \*Hardening, \*Aging (Mate-  
rials), Mortar, \*Electrostatics, Physical chemistry,  
Colloids, Ions, Reaction kinetics, Calcium compounds,  
Hydroxides, Crystallization, Electrical fields,

(Materials, TT, v. 11, no. 9)

TT-64-14215

I. Jesser, L.

Office of Technical Services

TT-64-14224

Grün, R., Beckman, H., Lerch, Obenauer, and  
Schegel.  
SHRINKING OF MORTAR AND CONCRETE. [1963] 19p  
(figs refs omitted)  
Order from SLA \$1.60

TT-64-14224

Trans. of Zement (Germany) 1939 [v. 28, no. 22,  
p. 345-350; no. 23, p. 359-362; no. 24, p. 374-379].

DESCRIPTORS: \*Concrete, \*Cements, Pavements,  
Mechanical porperties, \*Mortar.

I. Grün, R.  
II. Beckman, H.  
III. Lerch  
IV. Obenauer  
V. Schegel

(Materials, TT, v. 11, no. 8)

Office of Technical Services

A Quick Method for the Determination of Silica in  
Portland Cement and in Soluble Silicates, by A.  
Steopoe, 5 pp.

GERMAN, per, Zement, Vol XXIX, No 15, 1940, pp 193,  
194.

S.L.A. Tr : 692/1955

Sci - Chemistry  
Apr 1957 CTS/dex

50,297

Eitel, W.  
ELECTRONMICROSCOPICAL CEMENT RESEARCH,  
[1963] 12p (figs omitted) 12refs  
Order from SLA \$1.60  
TT-64-14430  
Trans. of Zement (Germany) 1942, v. 31, p. 489-494.

(Materials, TT, v. 11, no. 11)

TT-64-14430

I. Eitel, W.

Office of Technical Services

Adhesion, Capillary Force and Hardening,  
by Kurt Wurzner.  
GERMAN, per, Zement, Vol XXIII, No 39,  
pp 572-575.  
SLA TT 64-18317

Apr 67

323,134

The Construction of the Big Muehldorf Lake Dam,  
Austria, by Wilhelm, Steinboeck.

GERMAN, per, Zement und Beton, No 7, 1956,  
pp 1-6.

Dept of Interior  
TC823 A358 No 390

Sci - Engr

*210,937*

Sep 62

Physical Properties of the Products of (Cement)  
Hydration, by W. Czernin, 15 pp.

GERMAN, per, Zement und Beton, No 16, 1959, pp 10-15.  
Austria.

SLA 60-10578

Sci

Jun 60

*118,309*

Discussion of Principal Papers, by C. Kozlowski,  
Hayden, et al, 6 pp.

GERMAN, per, Zement und Beton, No 16, 1959,  
pp 17-19.

SIA 60-14014

Sci

OTS, Vol III, No 8

Apr 61

143, 143

Notes on the Hydration of Cement, by A. E.  
Moore, 4 pp.

GERMAN, per, Zement und Beton (Austria),  
No 16, 1959, pp 19, 20.

SLA 60-10579

Sci

Jun 60

118, 316

Electron Microscope Studies of Hydrated Cements,  
by F. Gille, W. Czernin, 15 pp.

GERMAN, per, Zement und Beton (Austria), No 16,  
1959, pp 21-24.

SLA 60-10581

Sci

Jun 60

118, 312

Results of Recent Work on the Hydration of  
Calcium Silicates, by H. Schwiete, H. Müller-  
Hesse.

GERMAN, per, Zement und Beton, V No 16,  
1959, pp 25-29.

CSIRO 4494

Sci - Chem  
Jul 62

207, 647

The Problem of Non-Selective Hydration of Cement Minerals, by H. zur Strassen, 7 pp.

GERMAN, per, Zement und Beton (Austria, No 16, 1959, pp 32-34.

SLA 60-10577

Sci

Jun 60

118.318

Tests on the Reactivity of Gel Water, by W. Czernin,  
4 pp.

GERMAN, per, Zement und Beton, No 16, 1959, pp 35, 36.  
Austria.

SLA 60-10580

Sci

Jun 60

*118,310*

The History of Concrete Techniques as Seen Through  
the Microscope, by G. M. Idorn, 12 pp.  
GERMAN, per, Zement Beton, Vol XVIII, 1960, pp 1-10.  
AEC-NP-Tr-1078

Sci-Engr  
Mar 64

252,980

Czernin, W.  
TEN YEARS AT THE RESEARCH INSTITUTE OF  
THE ASSOCIATION OF AUSTRIAN CEMENT MANU-  
FACTURERS. [1961] 14p. (illus. omitted).  
Order from SLA \$1.60 61-20546

Trans. of Zement und Beton (Austria) 1961, no. 21,  
p. 1-9.

DESCRIPTORS: \*Cements, Industrial plants, Manu-  
facturing methods, Austria, Materials, \*Concrete,  
Structures, Construction, Chemical industry, Mechan-  
ical properties, Creep, Chemical reactions,  
Metallurgy.

(Materials, TT, v. 7, no. 1)

61-20546

I. Czernin, W.

Office of Technical Services

Concrete as a Large Building Element, by W. Schulze,  
GERMAN, per, Zement und Beton, No 22, 1961, pp 16-25.

GB/183

Sci-M/M

Aug 63

341,992

Mositure Expansion of Concrete, by Franz Pilny.  
FRENCH, per, Zem Beton, No 30, 1964, pp 1-9.  
AEC ~~OSW~~ ~~144~~-1792  
ORNL-TR

Sci-Materials  
Jul 68

357,365

Dust Collecting Problems in the Cement Industry  
by E. Ruhland, 22 pp.

GERMAN, per, ~~Zement-Kalk-Gips~~, Vol III, No 1,  
1950, pp 5-11.

S.L.A. Tr 1284

Sci - Engineering  
Jan 57 OTS

42,590

Plane-Spiral Air-Stream giftig of Powdered  
Materials, by Karl Wolf.

GERMAN, per, Zement-Balk-Gips, Vol III,  
No 7, 1950, pp 141-147.

Dept of Int  
US Bur of Reclamation  
No 283

Sci - Engr

Feb 59

81,026

Latest Experiences in Drilling Shotholes for the  
Deep Boring Blasting Method, by W. Goetschke.

GERMAN, per, Zement-Kalk-Gips, No 10, 1950,  
p3.

ASLIB-GB 39

Sci  
Aug 58

70.430

Meag, W. V.  
HYDRAULIC CEMENTS WITH A HIGH MgO  
CONTENT. [1963] 8p (fig omitted) 2refs  
Order from SLA \$1.10      TT-64-14173

Trans. of Zement-Kalk-Gips (West Germany) 1951,  
v. 4, no. 2, p. 41-43.

DESCRIPTORS: \*Cements, Magnesium compounds,  
Oxides, Quantitative analysis, Tensile properties.

(Materials, TT, v. 11, no. 7)

TT-64-14173

1. Title: Clinker  
I. Meag, W. V.

Office of Technical Services

Charisius, K.  
RESISTANCE OF MAGNESIA MORTARS (XYLOLITH -  
MORTARS) (Beitrag zur Festigkeitsfrage bei  
Magnesiarmörtel (Steinholzmörtel)). [1963] [10p]  
(foreign text included)  
Order from SLA \$1.10

TT-64-10761

Condensed trans. of Zement-Kalk-Gips (West Germany)  
1951, v. 4, no. 6, p. 152-157.

(Materials, TT, v. 11, no. 11)

TT-64-10761

I. Charisius, K.

Office of Technical Services

Survey of More Recent Methods of Granulation and the Possibility of Their Application in the Cement Industry, by K. Meyer, 7 pp.

GERMAN, per, Zement - Kalk - Gips, Vol V, No 6, 1952, pp 175-179.

S.L.A. Tr No 403/1955

Sci - Minerals/Metals  
Jan 1957 CRS/dex

45, 014

The Acid Resisting "Ocrat" Concrete, by W. Wittekindt,  
7 pp.

Full translation.

GERMAN, per, ~~Zement-Kalk-Gips~~, Vol V, No 7, 1952,  
pp 203-205.

S.L.A.

Scientific - Engineering

27,428

Aug 55

Dust Measurements in Cement Plants, by H. Ihlefaldt,  
12 pp.

GERMAN, per Zement-Kalk-Gips, Vol. V, No 10, Oct 1952,  
pp 315-319.

1127

S.L.A. Tr 1076/1956

WEIR-Germany  
Economic  
Oct 56 CTS

40,041

Reactions and Changes at the Boundary Between  
Clinker and Lining in Rotary Cement Kilns, by  
H. Sundius, 16 pp.

GERMAN, per, Zement-Kalk-Gips, Vol VI,  
No 1, Jan 1953, pp 1-8.

SLA Tr 57-617

Sci - Engineering  
Sep 57

52,812

Burnability of Raw Mixes, PTS. I-V., by  
G. Musgnug, G. Meyenburg, 7pp.  
GERMAN, per, Zement-Kalk-Gips, Vol 6, No 2,  
1953, pp 46-53.  
CFSTI TT-64-18311.

322,626

Sci - Materials  
Mar 67